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(11)

EP 1 011 222 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
01.10.2003 Bulletin 2003/40

(51) Int Cl.7: **H04L 9/08**

(43) Date of publication A2:
21.06.2000 Bulletin 2000/25

(21) Application number: **99304647.3**(22) Date of filing: **15.06.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **18.12.1998 JP 36034598**

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(54) **Electronic data storage apparatus with key management function and electronic data storage method**

(57) A storage apparatus includes a key management unit (12) for managing an individual key unique to the apparatus and a common key shared with other storage apparatuses, and an encryption unit (13) for performing an encrypting process or verifying data for performing the encrypting process on electronic data stored in the apparatus to which the unit belongs using the in-

dividual key, and performing the encrypting process or verifying the data on the electronic data transmitted to or received from another apparatus using the common key. Thus, the apparatus communicates data using an applicable common key in a local environment and a global environment, appropriately manages a key in each environment, and guarantees the security of the electronic data.

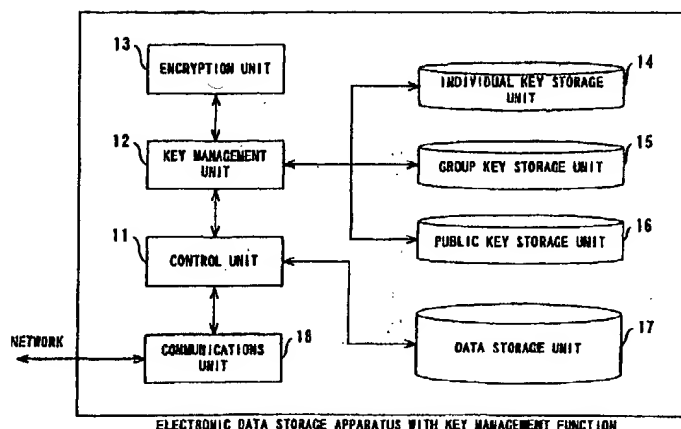


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 4647

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The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 1 August 2003	Examiner Carnerero Álvaro, F
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document</p>			

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